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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/550,068	09/21/2005	Kazuhiro Yamada	2005_1411A	2122
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SUITE 800 WASHINGTO	N. DC 20006-1021		ART UNIT	PAPER NUMBER
	71, DC 20000 1021		2629	•
			MAIL DATE	DELIVERY MODE
			01/21/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.	Applicant(s)	
10/550,068	YAMADA, KAZUHIRO	
Examiner	Art Unit	
KIMNHUNG NGUYEN	2629	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS,

- WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
- after SIX (6) MONTHS from the mailing date of this communication.

 If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
 Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
- Any reply received by the Office later than three months after the mailing date of this communication, even if time earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 21 September 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Exparte Quayle, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-17 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 2-17 is/are allowed.
- 6) Claim(s) 1 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No.
 - 3. Copies of the certified copies of the priority documents have been received in this National Stage
 - application from the International Bureau (PCT Rule 17.2(a)).
 - * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Notice of Draftsperson's Patent Drawing Review (PTO-948)
 - Paper No(s)/Mail Date 9/21/05.

- Interview Summary (PTO-413)
 Paper No(s)/Mail Date.
- Notice of Informal Patent Application
- 6) Other: _____

Application/Control Number: 10/550,068

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DETAILED ACTION

 This application has been examined. The claims 1-17 are pending. The examination results are as following.

Claim Rejections - 35 USC § 103

- The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Chevet (JP 11-259044 admitted by applicant) in view of Doyen et al. (US 2004/0008161).

As to claim 1, Chevet discloses in fig. 1, an image signal processing method employed for a color image display device using a plurality of light-emitting materials having difference in afterglow-lasting time, with respect to at least image signals corresponding to a light-emitting material with afterglow lasting a short time, the method capable of producing a pseudo afterglow signal change the luminous (see abstract). However, Chevet does not disclose a broken line-shaped luminous change according to a current-field image signal, and adding the pseudo afterglow signal to the current-field image signal. Doyen et al. disclose a display device comprising a broken line-shape luminophors (red, green, or blue) change to a current-field image signal, and adding the pseudo afterglow signal to the current-field image signal (see [0015], [0018], [0027], and [0037]).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the luminophors change to a current-field image signal, and adding the Art Unit: 2629

pseudo afterglow signal to the current-field image signal as taught by Doyen et al. into the system of Chevet for producing the claimed invention because this would provide in order to decrease the color afterglow effect, the image display is delayed or advanced depending on red, green or blue color (see [0015]).

Allowable Subject Matter

- Claims 2-17 are allowed.
- 5. The following is a statement of reasons for the indication of allowable subject matter: None of the cited art teaches or suggests that an image signal processing method employed for a color image display device, the method capable of providing a current-field image signal with low-pass filtering by characteristically different low-pass filters disposed at branches in a circuit, and mixing outputs fed from the low-pass filters to produce an extended image signal, and adding a pseudo afterglow signal to the current-field image signal by mixing the current-field image signal with the extended image signal for an area in which a one-field-before image signal is greater than the current-field image signal as claim 2; or the pseudo afterglow adding means further including extended image signal generating means for providing a current-field image signal with low-pass filtering by characteristically different low-pass filters, and combining outputs from each low-pass filter to generate an extended image signal including a pseudo afterglow signal; and image generating means for mixing the current-field image signal with the extended image signal, and adding the pseudo afterglow signal to the current-field image signal for an area in which a one-field before image signal is greater than the current-field image signal as claim 10

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Correspondence

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to KIMNHUNG NGUYEN whose telephone number is (571)272-

7698. The examiner can normally be reached on MON-FRI, FROM 8:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor. Richard Hierpe can be reached on (571) 272-7691. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kimnhung Nguyen/ Examiner, Art Unit 2629

/Richard Hjerpe/

Supervisory Patent Examiner, Art Unit 2629